

BATCH

RAW SEQUENCE LISTING  
 PATENT APPLICATION: US/09/687,993      DATE: 12/28/2000  
 TIME: 15:50:02

Input Set : A:\687993.txt  
 Output Set: N:\CRF3\12282000\I687993.raw

## SEQUENCE LISTING

3 (1) GENERAL INFORMATION:  
 5        (i) APPLICANT: Hu, Sylvia  
 7        (ii) TITLE OF INVENTION: Truncated Glial Cell Line-Derived Neurotrophin  
 Factor  
 10      (iii) NUMBER OF SEQUENCES: 50  
 12      (iv) CORRESPONDENCE ADDRESS:  
 13        (A) ADDRESSEE: AMGEN INC.  
 14        (B) STREET: 1840 DeHavilland Drive  
 15        (C) CITY: Thousand Oaks  
 16        (D) STATE: California  
 17        (E) COUNTRY: United States of America  
 18        (F) ZIP: 91320  
 20      (v) COMPUTER READABLE FORM:  
 21        (A) MEDIUM TYPE: Floppy disk  
 22        (B) COMPUTER: IBM PC compatible  
 23        (C) OPERATING SYSTEM: PC-DOS/MS-DOS  
 24        (D) SOFTWARE: PatentIn Release #1.0, Version #1.25  
 26      (vi) CURRENT APPLICATION DATA:  
 C--> 27        (A) APPLICATION NUMBER: US/09/687,993  
 C--> 28        (B) FILING DATE: 13-Oct-2000  
 30      (vii) PRIOR APPLICATION DATA:  
 31        (A) APPLICATION NUMBER: US/08/535,681  
 32        (B) FILING DATE: 28-SEP-1995  
 34      (viii) ATTORNEY/AGENT INFORMATION:  
 35        (A) NAME: Curry, Daniel R.  
 36        (B) REGISTRATION NUMBER: 32,727  
 37        (C) REFERENCE/DOCKET NUMBER: A-357  
 39      (ix) TELECOMMUNICATION INFORMATION:  
 40        (A) TELEPHONE: 805-447-8102  
 41        (B) TELEFAX: 805-499-8011  
 42        (C) TELEX:  
 44 (2) INFORMATION FOR SEQ ID NO: 1:  
 45      (i) SEQUENCE CHARACTERISTICS:  
 46        (A) LENGTH: 402 base pairs  
 47        (B) TYPE: nucleic acid  
 48        (C) STRANDEDNESS: single  
 49        (D) TOPOLOGY: linear  
 52      (ii) MOLECULE TYPE: protein  
 54      (ix) FEATURE:  
 55        (A) NAME/KEY: CDS  
 56        (B) LOCATION: 1..402  
 58      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:  
 60 TCA CCA GAT AAA CAA ATG GCA GTG CTT CCT AGA AGA GAG CGG AAT CGG      48  
 61 Ser Pro Asp Lys Glu Met Ala Val Leu Pro Arg Arg Glu Arg Asn Arg  
 62      1            5            10            15  
 64 CAG GCT GCA GCT GCC AAC CCA GAG AAT TCC AGA GGA AAA GGT CGG ACA      96

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65	Gln	Ala	Ala	Ala	Ala	Asn	Pro	Glu	Asn	Ser	Arg	Gly	Lys	Gly	Arg	Arg	
66																	
	20							25							30		
68	GGC	CAG	GGG	AAA	AAC	CGG	GGT	TGT	GTC	TTA	ACT	GCA	ATA	CAT	TTA	144	
69	Gly	Gln	Arg	Gly	Lys	Asn	Arg	Gly	Cys	Val	Leu	Thr	Ala	Ile	His	Leu	
70																	
	35							40							45		
72	AAT	GTC	ACT	GAC	TTC	GCT	CTG	GCC	TAT	CAA	ACC	AAC	CAG	GAA	CTG	ATT	
73	Asn	Val	Thr	Asp	Leu	Gly	Leu	Gly	Tyr	Glu	Thr	Lys	Glu	Glu	Leu	Ile	
74																	
	50							55							60		
76	TTC	AGC	TAC	TGC	GGC	TCT	TGC	GAT	GCA	GCT	GAG	ACA	ACG	TAC	GAC	240	
77	Phe	Arg	Tyr	Cys	Ser	Gly	Ser	Cys	Asp	Ala	Ala	Glu	Thr	Thr	Tyr	Asp	
78	65							70							75	80	
80	AAA	ATA	TTG	AAA	AAC	ATA	TCC	AGA	AAT	AGA	AGG	CTG	GTG	AGT	GAC	AAA	
81	Lys	Ile	Leu	Lys	Asn	Leu	Ser	Arg	Asn	Arg	Arg	Leu	Val	Ser	Asp	Lys	
82								85							90	95	
84	GTA	GGG	CAG	GCA	TGT	TGC	AGA	CCC	ATC	GCC	TTT	GAT	GAT	GAC	CTG	TCG	
85	Val	Gly	Gln	Ala	Cys	Cys	Arg	Pro	Ile	Ala	Phe	Asp	Asp	Asp	Leu	Ser	
86								100							105	110	
88	TTT	TTA	GAT	GAT	AAC	CTG	GTT	TAC	CAT	ATT	CTA	ACA	AAG	CAT	TCC	GCT	
89	Phe	Leu	Asp	Asp	Asn	Ile	Val	Tyr	His	Ile	Leu	Arg	Lys	His	Ser	Ala	
90								115							120	125	
92	AAA	AGG	TGT	GGA	TGT	ATC										402	
93	Lys	Arg	Cys	Gly	Cys	Ile											
94								130									
96	(2)	INFORMATION FOR SEQ ID NO: 2:															
98		(i) SEQUENCE CHARACTERISTICS:															
99		(A) LENGTH: 134 amino acids															
100		(B) TYPE: amino acid															
101		(D) TOPOLOGY: linear															
103		(iii) MOLECULE TYPE: protein															
105		(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:															
107	Ser	Pro	Asp	Lys	Gln	Met	Ala	Val	Leu	Pro	Arg	Arg	Glu	Arg	Asn	Arg	
108	1					5			10							15	
110	Gln	Ala	Ala	Ala	Ala	Asn	Pro	Glu	Asn	Ser	Arg	Gly	Lys	Gly	Arg	Arg	
111								20							30		
113	Gly	Gln	Arg	Gly	Lys	Asn	Arg	Gly	Cys	Val	Leu	Thr	Ala	Ile	His	Leu	
114								35							40	45	
116	Asn	Val	Thr	Asp	Leu	Gly	Leu	Gly	Tyr	Glu	Thr	Lys	Glu	Glu	Leu	Ile	
117								50							55	60	
119	Phe	Arg	Tyr	Cys	Ser	Gly	Ser	Cys	Asp	Ala	Ala	Glu	Thr	Thr	Tyr	Asp	
120	65							65							70	75	
122	Lys	Ile	Leu	Lys	Asn	Leu	Ser	Arg	Asn	Arg	Arg	Leu	Val	Ser	Asp	Lys	
123								85							90	95	
125	Val	Gly	Gln	Ala	Cys	Cys	Arg	Pro	Ile	Ala	Phe	Asp	Asp	Asp	Leu	Ser	
126								100							105	110	
128	Phe	Leu	Asp	Asp	Asn	Leu	Val	Tyr	His	Ile	Leu	Arg	Lys	His	Ser	Ala	
129								115							120	125	
131	Lys	Arg	Cys	Gly	Cys	Ile											
132								130									
134	(2)	INFORMATION FOR SEQ ID NO: 3:															

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Input Set : A:\687993.txt  
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136 (i) SEQUENCE CHARACTERISTICS:  
137 (A) LENGTH: 4 amino acids  
138 (B) TYPE: amino acid  
139 (C) STRANDEDNESS: single  
140 (D) TOPOLOGY: linear  
142 (ii) MOLECULE TYPE: peptide  
144 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:  
146 Lys Asn Arg Gly  
147 1  
149 (2) INFORMATION FOR SEQ ID NO: 4:  
151 (i) SEQUENCE CHARACTERISTICS:  
152 (A) LENGTH: 5 amino acids  
153 (B) TYPE: amino acid  
154 (C) STRANDEDNESS: single  
155 (D) TOPOLOGY: linear  
157 (ii) MOLECULE TYPE: peptide  
159 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:  
161 Gly Lys Asn Arg Gly  
162 1 5  
164 (2) INFORMATION FOR SEQ ID NO: 5:  
166 (i) SEQUENCE CHARACTERISTICS:  
167 (A) LENGTH: 6 amino acids  
168 (B) TYPE: amino acid  
169 (C) STRANDEDNESS: single  
170 (D) TOPOLOGY: linear  
172 (ii) MOLECULE TYPE: peptide  
174 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:  
176 Arg Gly Lys Asn Arg Gly  
177 1 5  
179 (2) INFORMATION FOR SEQ ID NO: 6:  
181 (i) SEQUENCE CHARACTERISTICS:  
182 (A) LENGTH: 7 amino acids  
183 (B) TYPE: amino acid  
184 (C) STRANDEDNESS: single  
185 (D) TOPOLOGY: linear  
187 (ii) MOLECULE TYPE: peptide  
189 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:  
191 Gln Arg Gly Lys Asn Arg Gly  
192 1 5  
194 (2) INFORMATION FOR SEQ ID NO: 7:  
196 (i) SEQUENCE CHARACTERISTICS:  
197 (A) LENGTH: 8 amino acids  
198 (B) TYPE: amino acid  
199 (C) STRANDEDNESS: single  
200 (D) TOPOLOGY: linear  
202 (ii) MOLECULE TYPE: peptide  
204 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:  
206 Gly Gln Arg Gly Lys Asn Arg Gly  
207 1 5

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209 (2) INFORMATION FOR SEQ ID NO: 8:  
211 (i) SEQUENCE CHARACTERISTICS:  
212 (A) LENGTH: 9 amino acids  
213 (B) TYPE: amino acid  
214 (C) STRANDEDNESS: single  
215 (D) TOPOLOGY: linear  
217 (ii) MOLECULE TYPE: peptide  
219 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:  
221 Arg Gly Gln Arg Gly Lys Asn Arg Gly  
222 1 5  
224 (2) INFORMATION FOR SEQ ID NO: 9:  
226 (i) SEQUENCE CHARACTERISTICS:  
227 (A) LENGTH: 10 amino acids  
228 (B) TYPE: amino acid  
229 (C) STRANDEDNESS: single  
230 (D) TOPOLOGY: linear  
232 (ii) MOLECULE TYPE: peptide  
234 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:  
236 Arg Arg Gly Gln Arg Gly Lys Asn Arg Gly  
237 1 5 10  
239 (2) INFORMATION FOR SEQ ID NO: 10:  
241 (i) SEQUENCE CHARACTERISTICS:  
242 (A) LENGTH: 11 amino acids  
243 (B) TYPE: amino acid  
244 (C) STRANDEDNESS: single  
245 (D) TOPOLOGY: linear  
247 (ii) MOLECULE TYPE: peptide  
249 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:  
251 Gly Arg Arg Gly Gln Arg Gly Lys Asn Arg Gly  
252 1 5 10  
254 (2) INFORMATION FOR SEQ ID NO: 11:  
256 (i) SEQUENCE CHARACTERISTICS:  
257 (A) LENGTH: 12 amino acids  
258 (B) TYPE: amino acid  
259 (C) STRANDEDNESS: single  
260 (D) TOPOLOGY: linear  
262 (ii) MOLECULE TYPE: peptide  
264 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11:  
266 Lys Gly Arg Arg Gly Gln Arg Gly Lys Asn Arg Gly  
267 1 5 10  
269 (2) INFORMATION FOR SEQ ID NO: 12:  
271 (i) SEQUENCE CHARACTERISTICS:  
272 (A) LENGTH: 13 amino acids  
273 (B) TYPE: amino acid  
274 (C) STRANDEDNESS: single  
275 (D) TOPOLOGY: linear  
277 (ii) MOLECULE TYPE: peptide  
279 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12:  
281 Gly Lys Gly Arg Arg Gly Gln Arg Gly Lys Asn Arg Gly

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Input Set : A:\687993.txt  
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282      1      5      10
284 (2) INFORMATION FOR SEQ ID NO: 13:
286   (i) SEQUENCE CHARACTERISTICS:
287     (A) LENGTH: 14 amino acids
288     (B) TYPE: amino acid
289     (C) STRANDEDNESS: single
290     (D) TOPOLOGY: linear
292   (ii) MOLECULE TYPE: peptide
294   (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 13:
296   Arg Gly Lys Gly Arg Arg Gly Gln Arg Gly Lys Asn Arg Gly
297      1      5      10
299 (2) INFORMATION FOR SEQ ID NO: 14:
301   (i) SEQUENCE CHARACTERISTICS:
302     (A) LENGTH: 15 amino acids
303     (B) TYPE: amino acid
304     (C) STRANDEDNESS: single
305     (D) TOPOLOGY: linear
307   (ii) MOLECULE TYPE: peptide
309   (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 14:
311   Ser Arg Gly Lys Gly Arg Arg Gly Gln Arg Gly Lys Asn Arg Gly
312      1      5      10      15
314 (2) INFORMATION FOR SEQ ID NO: 15:
316   (i) SEQUENCE CHARACTERISTICS:
317     (A) LENGTH: 16 amino acids
318     (B) TYPE: amino acid
319     (C) STRANDEDNESS: single
320     (D) TOPOLOGY: linear
322   (ii) MOLECULE TYPE: peptide
324   (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 15:
326   Asn Ser Arg Gly Lys Gly Arg Arg Gly Gln Arg Gly Lys Asn Arg Gly
327      1      5      10      15
329 (2) INFORMATION FOR SEQ ID NO: 16:
331   (i) SEQUENCE CHARACTERISTICS:
332     (A) LENGTH: 17 amino acids
333     (B) TYPE: amino acid
334     (C) STRANDEDNESS: single
335     (D) TOPOLOGY: linear
337   (ii) MOLECULE TYPE: peptide
339   (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 16:
341   Glu Asn Ser Arg Gly Lys Gly Arg Arg Gly Gln Arg Gly Lys Asn Arg
342      1      5      10      15
344   Gly
347 (2) INFORMATION FOR SEQ ID NO: 17:
349   (i) SEQUENCE CHARACTERISTICS:
350     (A) LENGTH: 18 amino acids
351     (B) TYPE: amino acid
352     (C) STRANDEDNESS: single
353     (D) TOPOLOGY: linear
355   (ii) MOLECULE TYPE: peptide

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VERIFICATION SUMMARY  
PATENT APPLICATION: US/09/687,993

DATE: 12/28/2000  
TIME: 15:50:03

Input Set : A:\687993.txt  
Output Set: N:\CRF3\12282000\I687993.raw

L:27 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]  
L:28 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]  
L:772 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=39, Value=[DNA]  
L:798 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=40, Value=[DNA]  
L:834 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:41  
L:838 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:41  
L:842 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:41  
L:846 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:41  
L:850 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:41  
L:854 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:41  
L:858 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:41  
L:916 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:43  
L:920 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:43  
L:924 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:43  
L:928 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:43  
L:932 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:43  
L:936 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:43  
L:940 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:43  
L:992 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:45  
L:996 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:45  
L:1000 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:45  
L:1004 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:45  
L:1008 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:45  
L:1012 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:45  
L:1016 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:45